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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/322,114	05/27/1999	KENNETH ARAUJO	3COM-2108.RA	7524

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EXAMINER

VU, THONG H

ART UNIT	PAPER NUMBER
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2152

DATE MAILED: 12/31/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

H.G

Office Action Summary

Application No.

09/322,114

Applicant(s)

ARAUJO, KENNETH

Examiner

Thong H Vu

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 May 1999.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

1 This office action is in response to Application filed 05/27/1999. Claims 1-45 are pending. The rejection is cited as stated below.

2 Claims 1-45 are rejected under 35 U.S.C. § 102[e] as being anticipated by Hill et al [Hill 5,796,944]

3 As per claims 1,9,18,26,36,42 Hill discloses a dynamic network address registration system [Hill abstract], comprising:

a first device; a second device, said first device and said second device adapted to communicate via a communications network [Fig 1, col 4 lines 3-24]; and

a controller coupled to said communications network, said controller adapted to store address information for said first device therein, said controller adapted to store address information for said second device therein, said controller further adapted to provide said address information of said second device to said first device such that a communication path can be efficiently established between said first device and said second device which is equivalent to a address management circuit and method of operation includes a search engine for searching source and destination addresses, static or dynamic, for the internetworking devices [Hill Fig 1-21, col 4 lines 25-64,col 5 lines 44-63,col 11 line 12-18, line 60-col 12 line 14, col 13 lines 38-55,col 18 lines 4-33,col 22 lines 1-40,col 23 lines 35-57, col 25 lines 1-41, col 26 lines 37-54,col 29 lines 20-62,col 31 lines 41-67,col 36 lines 56-67].

4 As per claims 2,14,19, Hill discloses said communication path is efficiently established between said first device and said second device without requiring said first device and said second device to have static addresses [col 22 lines 30-41, col 25 lines 32-42].

5 As per claims 3,15,20,32,38 Hill discloses said controller is adapted to establish a virtual private network (VPN) between said first device and said second device via said communications network such as Internet as inherent feature of IP address [col 18 lines 4-33].

6 As per claims 4,21,37 Hill discloses said first device, said second device, and said controller are further adapted to be coupled to a second communications network [col 1 lines 24-36].

7 As per claims 5,10,22,27 Hill discloses said controller is adapted to inform said first device, via said second communications network, as to whether or not said second device is coupled to said communications network [col 2 lines 1-54].

8 As per claims 6,12,23,33 Hill discloses said controller is adapted to instruct said second device, via said second communications network, to couple to said communications network [col 4 lines 1-24].

9 As per claims 7,16,24,34 Hill discloses said communications network is the internet or WAN such as IP address, Ethernet, FDDI and routers [col 1 lines 1-24].

10 As per claims 8,17,25,35 Hill discloses said second communications network is a circuit switched network or LAN [col 1 lines 1-24].

11 As per claims 28, 29 Hill discloses said communication network includes an integrated services digital network (ISDN) basic rate interface (BRI) for connectivity to a wide area network and an always on dynamic ISDN (AODI) feature is supported for said ISDN BRI; said network devices are adapted to establish a network connection via a D channel of said ISDN BRI and receive an assignment of a dynamic network address which said network device then

provides to said dynamic network address registration system via a B channel of said ISDN BRI as a design choice of internetworking devices [col 4 lines 1-24].

12 As per claims 30-31 Hill discloses said network devices is a router; said network devices is a . As per claim 39, Hill discloses said communication frame analysis component determines if a communication frame includes information to be mapped in said address mapping component [col 13 line 56-col 14 line 11].

13 As per claim 40, Hill discloses said communication frame analysis component determines if a communication frame is requesting information from said address mapping component; said communication frame analysis component extracts information identifying a desired location from a communication frame [col 13 lines 39-56].

14 As per claims 43-45 Hill discloses storing in said dynamic network address registration system information regarding the association of a device and a dynamic network address assigned to said device; forwarding to said network device a network address associated with dynamic network address registration system; polling said dynamic network address registration system to determine if there are updates to information regarding a registered dynamic address such as router [col 4 lines 3-24, col 23 lines 15-25] and address table [col 22 lines 1-15].

Thus, as explained above, the system and method of claims 1-45 is anticipated by the prior art.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Thong Vu, whose telephone number is (703)-305-4643. The examiner can normally be reached on Monday-Thursday from 8:00AM- 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, *Mark Rinehart*, can be reached at (703) 305-4815.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9700.

Any response to this action should be mailed to: Commissioner of Patent and Trademarks, Washington, D.C. 20231 or faxed to :

After Final (703) 746-7238

Official: (703) 746-7239

Non-Official (703) 746-7240

Hand-delivered responses should be brought to Crystal Park 11,2121 Crystal Drive, Arlington. VA., Sixth Floor (Receptionist).

Thong Vu
Patent Examiner
Art Unit 2152



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